

For Research Use Only

SF3B14 Polyclonal ANTIBODY

Catalog Number: 12379-1-AP



Basic Information

Catalog Number:
12379-1-AP

Size:
20 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG3045

GenBank Accession Number:
BC015463

GeneID (NCBI):
51639

Full Name:
splicing factor 3B, 14 kDa subunit

Calculated MW:
14 kDa

Observed MW:
14 kDa

Recommended Dilutions:
WB 1:1000-1:4000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human,mouse,rat

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells;

Background Information

Pre-mRNA splicing by the human spliceosome requires the sequential recognition by RNA and protein factors of the 5' and 3' splice sites, the branch region and the polypyrimidine tract. This sequence is characterized by the stepwise association of the U1, U2, and U4/U5/U6 snRNP particles [PMD:9476892]. Human p14 (SF3b14), a component of the spliceosomal U2 snRNP, interacts directly with the pre-mRNA branch adenosine within the context of the bulged duplex formed between the pre-mRNA branch region and U2 snRNA. This association occurs early in spliceosome assembly and persists within the fully assembled spliceosome [PMD:21062891].

Notable Publications

Author	Pubmed ID	Journal	Application
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Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

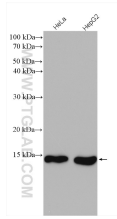
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12379-1-AP (SF3B1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours